

IN THE CLAIMS:

Please cancel Claims 6, 21, 36 and 51 without prejudice or disclaimer of subject matter. Additionally, please amend the claims as shown below. The claims, as pending in the subject application, read as follows:

1. (Currently Amended) A print server apparatus capable of receiving a print job to be printed from an information processing apparatus through a network, ~~the~~ said printer server apparatus comprising:

reservation job management means for storing, in a memory, both device-independent-format data and device-dependent-format data as reservation job data prepared by uniting print data to be printed by a printing apparatus and print job information, received from said the information processing apparatus, and managing said the reservation job data even after completion of the printing process by said print data is output to a printing apparatus; and

determination means for determining whether attributes are different based on a printer driver name for an output designation for reprint and a printer driver name for the reservation job data managed by said reservation job management means; and

output control means for outputting the reservation job data managed by said reservation job management means device-independent-format data to the exterior, according to a request for re-printing received from said information processing apparatus if said determination means determines that the attributes are different, while outputting the device-dependent-format data to the exterior, if said determination means determines that the attributes are the same.

2. (Original) A print server apparatus according to claim 1, wherein said reservation job management means is adapted to reserve the reservation job data transmitted from said information processing apparatus for a designated period and to delete said reservation job data from said memory after the lapse of said designated period.

3. (Currently Amended) A print server apparatus according to claim 1, further comprising discrimination means for discriminating whether the management of said reservation job data by said reservation job management means is possible, in response to a request for reservation from said information processing apparatus; wherein said reservation job management means executes reservation and management of said reservation job data in a case where said discrimination means identifies that the management of said reservation job data is possible.

4. (Currently Amended) A print server apparatus according to claim 3, wherein, in the case where said discrimination means identifies that the management of said reservation job data is not possible, said reservation job management means registers and manages the print job ID and the reservation job size, requested for reservation, in a reservation waiting list.

5. (Original) A print server apparatus according to claim 4, further comprising detection means for detecting a registerable print job ID by comparing the available capacity of said memory with the reservation job sizes registered in said reservation waiting list.

6. (Canceled)

7. (Currently Amended) A print server apparatus according to claim 1, wherein said ~~intermediate data~~ device-independent-format data are EMF data and said ~~print data~~ device-dependent-format data are RAW data.

8. (Currently Amended) An information processing apparatus for generating print data to be printed by a printing apparatus through a network, the information processing apparatus comprising:

~~print data generation means for generating the print a device-dependent-form data to be printed by said the printing apparatus using a printer driver;~~
~~reservation data generation means for generating reservation job data consisting of said print data and print job information based on said print data and to be reserved after the completion of the printing process of said print data by said printing apparatus; and~~

~~transmission control means for transmitting the reservation job data, generated by said reservation data generation means, to a print job management apparatus through the network~~

obtaining means for obtaining device-independent-format data;
display means for displaying a list of print jobs to be reprinted after print data is output to the printing apparatus;
first judgement means for judging one print job selected by a user from among the print jobs displayed by said display means; and

second judgement means for judging a printing apparatus to which the print job judged by said first judgement means is to be output.

wherein said data generation means receives the device-independent-format data obtained by said obtaining means and generates the device-dependent-format data using another printer driver, if the printing apparatus judged by said second judgement means is different from the printing apparatus of an original output destination.

9. (Currently Amended) An information processing apparatus according to claims 8 12, further comprising condition designation means for designating a reservation condition for causing said print job management apparatus to reserve the reservation job data.

10. (Original) An information processing apparatus according to claim 9, wherein said reservation condition is a period of reservation.

11. (Original) An information processing apparatus according to claim 9, wherein said reservation condition is a number of printing times.

12. (Currently Amended) An information processing apparatus according to claim 8, ~~wherein said reservation data generation means generates reservation data including said print data of a device-dependent data format and intermediate data of a device-independent data format further comprising:~~

reservation data generation means for generating reservation job data consisting of the device-dependent-format data generated by said data generation means

and print job information based on the device-dependent-format data, which reservation job data is to be reserved after a printing process of the print data is completed by the printing apparatus; and

transmission control means for transmitting the reservation job data generated by said reservation data generation means to a print job management apparatus through the network.

13. (Original) An information processing apparatus according to claim 12, further comprising:

acquisition means for acquiring a list of managed reservation data from said print job management apparatus; and
re-print designation means for designating the reservation data to be re-printed from said acquired list of the reservation data.

14. (Currently Amended) An information processing apparatus according to claim 13, wherein, in a case of receiving the intermediate data device-independent-format data from said print job management means according to a re-printing instruction by said re-print designation means, print data generation means corresponding to the printing apparatus to be used for re-printing is selected among plural print data generation means, and the print data device-dependent-format data for said printing apparatus to be used for re-printing are generated from said intermediate device-independent-format data.

15. (Currently Amended) An information processing apparatus according to claim 14, wherein the print data device-dependent-format data generated at the

re-printing of the intermediate device-independent-format data are reserved again as the reservation job data in said print job management apparatus.

16. (Currently Amended) A method for use in a print server apparatus capable of receiving a print job to be printed from an information processing apparatus through a network, the method comprising:

a reservation job management step of storing, in a memory, both device-independent-format data and device-dependent-format data as reservation job data prepared by uniting print data to be printed by a printing apparatus and print job information, received from said information processing apparatus, and managing said reservation job data even after completion of the printing process by said print data is output to a printing apparatus; and

a determination step of determining whether attributes are different based on a printer driver name for an output designation for reprint and a printer driver name for reservation job data managed by said reservation job management means; and

an output control step of outputting the reservation job data managed by said reservation job management step device-independent-format data to the exterior, according to a request for re-printing received from said information processing apparatus if said determination step determines that the attributes are different, while outputting the device-dependent-format data to the exterior, if said determination step determines that the attributes are the same.

17. (Original) A method according to claim 16, wherein said reservation job management step is adapted to reserve the reservation job data transmitted from said

information processing apparatus for a designated period and to delete said reservation job data from said memory after the lapse of said designated period.

18. (Currently Amended) A method according to claim 16, further comprising a discrimination step of discriminating whether the management of said reservation job data by said reservation job management step is possible, in response to a request for reservation from said information processing apparatus;

wherein said reservation job management step executes reservation and management of said reservation job data in a case where said discrimination step identifies that the management of said reservation job data is possible.

19. (Currently Amended) A method according to claim 18, wherein, in the case where said discrimination step identifies that the management of said reservation job data is not possible, said reservation job management step registers and manages the print job ID and the reservation job size, requested for reservation, in a reservation waiting list.

20. (Original) A method according to claim 19, further comprising a detection step of detecting a registerable print job ID by comparing the available capacity of said memory with the reservation job sizes registered in said reservation waiting list.

21. (Canceled)

22. (Currently Amended) A method according to claim 21 16, wherein said intermediate device-independent-format data are EMF data and said print device-dependent-format data are RAW data.

23. (Currently Amended) An information processing method for generating print data to be printed by a printing apparatus through a network, the method comprising:

a print data generation step of generating the print device-dependent-format data to be printed by said printing apparatus using a printer driver;

a reservation data generation step of generating reservation job data consisting of said print data and print job information based on said print data and to be reserved after the completion of the printing process of said print data by said printing apparatus; and

a transmission control step of transmitting the reservation job data, generated by said reservation data generation step, to a print job management apparatus through the network

an obtaining step of obtaining device-independent-format data;

a display step of displaying a list of print jobs to be reprinted after print data is output to the printing apparatus;

a first judgement step of judging one print job selected by a user from among the print jobs displayed by the display step; and

a second judgement step of judging a printing apparatus to which the print job judged by the first judgement step is to be output.

wherein said data generation step receives the device-independent-format data obtained by the obtaining step and generates the device-dependent-format data using another printer driver, if the printing apparatus judged by the second judgement step is different from the printing apparatus of an original output destination.

24. (Currently Amended) An information processing method according to claim 23 27, further comprising a condition designation step of designating a reservation condition for causing said print job management apparatus to reserve the reservation job data.

25. (Original) An information processing method according to claim 24, wherein said reservation condition is a period of reservation.

26. (Original) An information processing method according to claim 24, wherein said reservation condition is a number of printing times.

27. (Currently Amended) An information processing method according to claim 23, wherein said reservation data generation step generates reservation data including said print data of a device-dependent data format and intermediate data of a device-independent data format further comprising:

a reservation data generating step of generating reservation job data consisting of the device-dependent-format data generated by the data generating step and print job information based on the device-dependent-format data, which reservation job

data is to be reserved after a printing process of the print data is completed by the printing apparatus; and

a transmission control step of transmitting the reservation job data generated by the reservation data generating step to a print job management apparatus through a network.

28. (Original) An information processing method according to claim 27,

further comprising:

an acquisition step of acquiring a list of managed reservation data from said print job management apparatus; and

a re-print designation step of designating the reservation data to be re-printed from said acquired list of the reservation data.

29. (Currently Amended) An information processing method according to claim 28, wherein, in a case of receiving the intermediate device-independent-format data from said print job management step according to a re-printing instruction by said re-print designation step, print data generation means corresponding to the printing apparatus to be used for re-printing is selected among plural print data generation means, and the print device-dependent-format data for said printing apparatus to be used for re-printing are generated from said intermediate device-independent-format data.

30. (Currently Amended) An information processing method according to claim 29, wherein the print device-dependent-format data generated at the re-printing of the

intermediate device-independent-format data are reserved again as the reservation job data in said print job management apparatus.

31. (Currently Amended) A computer readable memory medium storing a program of a method for use in a print server apparatus capable of receiving a print job to be printed from an information processing apparatus through a network, the program comprising:

a reservation job management step of storing, in a memory, both device-independent-format data and device-dependent-format data as reservation job data prepared by uniting print data to be printed by a printing apparatus and print job information, received from said information processing apparatus, and managing said reservation job data even after completion of the printing process by said print data is output to a printing apparatus; and

a determination step of determining whether attributes are different based on a printer driver name for an output designation for reprint and a printer driver name for reservation job data managed by said reservation job management means; and

an output control step of outputting the reservation job data managed by said reservation job management step device-independent-format data to the exterior, according to a request for re-printing received from said information processing apparatus if said determination step determines that the attributes are different, while outputting the device-dependent-format data to the exterior, if said determination step determines that the attributes are the same.

32. (Original) A memory medium according to claim 31, wherein said reservation job management step is adapted to reserve the reservation job data transmitted from said information processing apparatus for a designated period and to delete said reservation job data from said memory after the lapse of said designated period.

33. (Currently Amended) A memory medium according to claim 31, the program further comprising a discrimination step of discriminating whether the management of said reservation job data by said reservation job management step is possible, in response to a request for reservation from said information processing apparatus;

wherein said reservation job management step executes reservation and management of said reservation job data in a case where said discrimination step identifies that the management of said reservation job data is possible.

34. (Currently Amended) A memory medium according to claim 33, wherein, in the case where said discrimination step identifies that the management of said reservation job data is not possible, said reservation job management step registers and manages the print job ID and the reservation job size, requested for reservation, in a reservation waiting list.

35. (Original) A memory medium according to claim 34, the program further comprising a detection step of detecting a registerable print job ID by comparing the available capacity of said memory with the reservation job sizes registered in said reservation waiting list.

36. (Canceled)

37. (Currently Amended) A memory medium according to claim 36, wherein said intermediate device-independent-format data are EMF data and said print device-dependent-format data are RAW data.

38. (Currently Amended) A computer readable memory medium storing a program of an information processing method for generating print data to be printed by a printing apparatus through a network, the program comprising:

a print data generation step of generating the print device-dependent-format data to be printed by said printing apparatus using a printer driver;
a reservation data generation step of generating reservation job data consisting of said print data and print job information based on said print data and to be reserved after the completion of the printing process of said print data by said printing apparatus, and

a transmission control step of transmitting the reservation job data, generated by said reservation data generation step, to a print job management apparatus through the network

an obtaining step of obtaining device-dependent-format data;
a display step of displaying a list of print jobs to be reprinted after print data is output to the printing apparatus;
a first judgement step of judging one print job selected by a user from among the print jobs displayed by the display step; and

a second judgement step of judging a printing apparatus to which the print job judged by the first judgement step is to be output,

wherein said data generation step receives the device-independent-format data obtained by the obtaining step and generates the device-dependent-format data using another printer driver, if the printing apparatus judged by the second judgement step is different from the printing apparatus of an original output destination.

39. (Currently Amended) A memory medium according to claim 38 42, the program further comprising a condition designation step of designating a reservation condition for causing said print job management apparatus to reserve the reservation job data.

40. (Original) A memory medium according to claim 39, wherein said reservation condition is a period of reservation.

41. (Original) A memory medium according to claim 39, wherein said reservation condition is a number of printing times.

42. (Currently Amended) A memory medium according to claim 38, wherein said reservation data generation step generates reservation data including said print data of a device dependent data format and intermediate data of a device-independent data format further comprising:

a reservation data generating step of generating reservation job data consisting of the device-dependent-format data generated by the data generating step and

print job information based on the device-dependent-format data, which reservation job data is to be reserved after a printing process of the print data is completed by the printing apparatus; and

a transmission control step of transmitting the reservation job data generated by the reservation data generating step to a print job management apparatus through a network.

43. (Original) A memory medium according to claim 42, the program further comprising:

an acquisition step of acquiring a list of managed reservation data from said print job management apparatus; and

a re-print designation step of designating the reservation data to be re-printed from said acquired list of the reservation data.

44. (Currently Amended) A memory medium according to claim 43, wherein, in a case of receiving the intermediate device-independent-format data from said print job management step according to a reprinting instruction by said re-print designation step, print data generation means corresponding to the printing apparatus to be used for re-printing is selected among plural print data generation means, and the print device-dependent-format data for said printing apparatus to be used for re-printing are generated from said intermediate device-independent-format data.

45. (Currently Amended) A memory medium according to claim 44, wherein the print device-dependent-format data generated at the re-printing of the

~~intermediate~~ device-independent-format data are reserved again as the reservation job data in said print job management apparatus.

46. (Currently Amended) A computer program of a method for use in a print server apparatus capable of receiving a print job to be printed from an information processing apparatus through a network, the program comprising:

a reservation job management step of storing, in a memory, both device-independent-format data and device-dependent-format data as reservation job data prepared by uniting print data to be printed by a printing apparatus and print job information,
received from said information processing apparatus, and managing said reservation job data even after ~~completion of the printing process by said print data is output to a printing apparatus; and~~

a determination step of determining whether attributes are different based on a printer driver name for an output designation for reprint and a printer driver name for reservation job data managed by said reservation job management means; and

an output control step of outputting the reservation job data managed by said reservation job management step device-independent-format data to the exterior, according to a request for re-printing received from said information processing apparatus if said determination step determines that the attributes are different, while outputting the device-dependent-format data to the exterior, if said determination step determines that the attributes are the same.

47. (Original) A computer program according to claim 46, wherein said reservation job management step is adapted to reserve the reservation job data transmitted

from said information processing apparatus for a designated period and to delete said reservation job data from said memory after the lapse of said designated period.

48. (Currently Amended) A computer program according to claim 46, further comprising a discrimination step of discriminating whether the management of said reservation job data by said reservation job management step is possible, in response to a request for reservation from said information processing apparatus;

wherein said reservation job management step executes reservation and management of said reservation job data in a case where said discrimination step identifies that the management of said reservation job data is possible.

49. (Currently Amended) A computer program according to claim 48, wherein, in the case where said discrimination step identifies that the management of said reservation job data is not possible, said reservation job management step registers and manages the print job ID and the reservation job size, requested for reservation, in a reservation waiting list.

50. (Original) A computer program according to claim 49, the program further comprising a detection step of detecting a registerable print job ID by comparing the available capacity of said memory with the reservation job sizes registered in said reservation waiting list.

51. (Canceled)

52. (Currently Amended) A computer program according to claim 51, wherein said intermediate device-independent-format data are EMF data and said print device-dependent-format data are RAW data.

53. (Currently Amended) A computer program of an information processing method for generating print data to be printed by a printing apparatus through a network, the program comprising:

a print data generation step of generating ~~the print~~ device-dependent-format data to be printed by said printing apparatus using a printer driver;
~~a reservation data generation step of generating reservation job data consisting of said print data and print job information based on said print data and to be reserved after the completion of the printing process of said print data by said printing apparatus; and~~

~~a transmission control step of transmitting the reservation job data, generated by said reservation data generation step, to a print job management apparatus through the network~~

an obtaining step of obtaining device-dependent-format data;
a display step of displaying a list of print jobs to be reprinted after print data is output to the printing apparatus;

a first judgement step of judging one print job selected by a user from among the print jobs displayed by the display step; and
a second judgement step of judging a printing apparatus to which the print job judged by the first judgement step is to be output,

wherein said data generation step receives the device-independent-format data obtained by the obtaining step and generates the device-dependent-format data using another printer driver, if the printing apparatus judged by the second judgement step is different from the printing apparatus of an original output destination.

54. (Currently Amended) A computer program according to claim 53 57, further comprising a condition designation step of designating a reservation condition for causing said print job management apparatus to reserve the reservation job data.

55. (Original) A computer program according to claim 54, wherein said reservation condition is a period of reservation.

56. (Original) A computer program according to claim 54, wherein said reservation condition is a number of printing times.

57. (Currently Amended) A computer program according to claim 53, wherein said reservation data generation step generates reservation data including said print data of a device-dependent data format and intermediate data of a device-independent data format further comprising:

a reservation data generating step of generating reservation job data consisting of the device-dependent-format data generated by the data generating step and print job information based on the device-dependent-format data, which reservation job data is to be reserved after a printing process of the print data is completed by the printing apparatus; and

a transmission control step of transmitting the reservation job data generated by the reservation data generating step to a print job management apparatus through a network.

58. (Original) A computer program according to claim 57, further comprising:

an acquisition step of acquiring a list of managed reservation data from said print job management apparatus; and

a re-print designation step of designating the reservation data to be re-printed from said acquired list of the reservation data.

59. (Currently Amended) A computer program according to claim 58, wherein, in a case of receiving the intermediate device-independent-format data from said print job management step according to a reprinting instruction by said re-print designation step, print data generation means corresponding to the printing apparatus to be used for re-printing is selected among plural print data generation means, and the print device-dependent-format data for said printing apparatus to be used for re-printing are generated from said intermediate device-independent-format data.

60. (Currently Amended) A computer program according to claim 59, wherein the print device-dependent-format data generated at the re-printing of the intermediate device-independent-format data are reserved again as the reservation job data in said print job management apparatus.